## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION            | INITIALS | ID NO. | DATE    |
|---------------------|----------|--------|---------|
| FEE DETERMINATION   | 0.3      | 2800   | 9-2498  |
| O.I.P.E. CLASSIFIER | 10       | 45     | 9/28/   |
| FORMALITY REVIEW    | 1922     | 15085  | 10 1 96 |

## INDEX OF CLAIMS

| , | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
| = | Allowed                    |   | Interference |
|   | (Through numeral) Canceled | Α | Appeal       |
| ÷ | Restricted                 | 0 | Objected :   |

|                       |                 |         |         |                         |          |          |          |          |          |  |          |          |          |          |          |              |              |          |          |          |          | _        | -  | _        |            | بتد           |         | 2            | V.           |      |       |      | 22  |      |                                       |
|-----------------------|-----------------|---------|---------|-------------------------|----------|----------|----------|----------|----------|--|----------|----------|----------|----------|----------|--------------|--------------|----------|----------|----------|----------|----------|----|----------|------------|---------------|---------|--------------|--------------|------|-------|------|-----|------|---------------------------------------|
| Claim                 | aim Date        |         |         |                         |          |          |          |          |          |  | Cta      | im       |          | _        | •        | _            | Dat          | Ð        | _        |          |          | ·        |    | Cla      | im         | _             | _       | -            | D            | tog  |       |      |     |      |                                       |
| 1 Original            |                 |         |         |                         |          |          |          |          |          |  | Final    | Original |          |          |          |              |              |          |          |          |          |          |    | Final    | Original   |               |         |              |              | 4000 |       |      |     |      | ı                                     |
| NTE N                 |                 | ✝       | 1       | $\top$                  | 7        | ┪        | 7        | $\neg$   | ╛        |  | П        | 51       | ヿ        |          |          |              | П            | П        |          |          |          | Г        |    | Г        | 110        | П             | Т       | 7            | ×            | 1    |       | d    | ı,  | j    | Ī                                     |
| 2 2 1                 |                 | 1       | 1       | $\top$                  | _        | ┪        | ヿ        | 7        | ┑        |  | П        | 52       | ┪        |          |          |              | П            | П        | ٠,       |          |          | Г        |    |          | 112        | 丁             |         |              | 3,1          | 130  |       | ī    | ı   |      | Ī                                     |
| 2 2 1<br>3 3<br>4 4 1 | 1               | 7       | す       | $\neg$                  | 寸        | $\neg$   | ╗        | _        | ╗        |  | П        | 53       | ╗        |          |          |              | П            | П        |          |          |          | Г        |    |          | 113        | T             | 1       | Τ.           | 13           | W.   | 2     |      | 7   | 5    | Ï                                     |
| 4 4 1 1               | 7               | +       | †       | 7                       | 7        | $\dashv$ | _        | $\neg$   | ┪        |  | П        | 54       | ┪        | $\neg$   |          |              | П            | П        |          |          |          |          | ŀ  | Г        | 114        | T             | 1       | T            | 1            |      | 3     |      | ď   |      | Ť                                     |
| <u>ξ</u> 5            |                 | T       | T       | $\neg$                  | $\neg$   | ╗        | $\neg$   | T        | 7        |  | П        | 55       | П        |          |          |              |              |          |          |          |          |          |    |          | 115        |               |         | $\mathbf{I}$ | ~            | 1    |       |      | J   |      | Ĩ                                     |
| ξ 5<br>G 6            |                 | 丅       | ┪       |                         | ヿ        | 7        |          | $\neg$   | ┑        |  | П        | 56       | $\neg$   |          |          |              | П            |          |          |          |          |          |    |          | 116        | $\Box$        | $\perp$ | Т            | . 7%         | 1    |       |      | 1   |      | Ĭ                                     |
| フレリ                   |                 | $\top$  | T       | T                       | ╗        | ╗        | ╗        | ╗        | ╗        |  | П        | 57       | П        |          |          |              | П            | П        |          |          |          | Γ.       |    |          | 117        | $\Box$        |         | T            | T            |      | 1     |      | T   |      | Ī                                     |
| 8 1                   |                 | T       | Т       | . 1                     | T        | ╗        | ヿ        | ╗        | 7        |  |          | 58       | $\neg$   |          |          |              |              |          |          |          |          |          |    |          | 118        | Т             |         | T            | I            | 1.   | 2     |      |     |      | Ī                                     |
| 9 9                   |                 | I       | T       | T                       | T        | $\Box$   |          |          |          |  |          | 59       | $\Box$   |          |          |              |              |          | · .      |          |          |          |    |          | 119        |               |         | L            | Ľ            | 3,5  |       |      | 4   |      |                                       |
| 10 10 =               |                 | Т       | Т       | $\Box$                  | $\Box$   |          |          |          |          |  |          | 60       | $\Box$   |          |          |              |              |          |          |          |          |          |    |          | 110        |               |         | I            | L            | 12   | 1     | 3 1  |     |      |                                       |
| 11                    |                 |         | T       |                         | $\perp$  |          |          | $\Box$   |          |  |          | 61       |          |          |          |              |              | Ш        |          |          |          |          | ļ. |          | 111        | $\perp$       | ┸       | L            | L            | . "" |       |      |     |      |                                       |
| 12                    |                 | $\perp$ | $\perp$ | $oldsymbol{\mathbb{I}}$ | $\perp$  | $\Box$   |          | $\Box$   |          |  |          | 62       |          |          |          | $\Box$       | Ш            | Ш        |          |          |          | L        | 1  | L        | 112        | _[            | Ţ       | 上            | L            | 1    |       |      |     |      |                                       |
| 13                    | $\Box$          | $\perp$ | $\perp$ | 1                       | $\bot$   |          |          |          | ┙        |  | $\Box$   | 63       | ╝        |          |          | Ш            | Ш            | Ш        |          |          | Щ        | L        | 1  | $\vdash$ | 113        | $\perp$       | ┸       | 1            | l            | - 63 |       |      | 2   | ě    |                                       |
| 14                    | $\Box$          | $\perp$ | 1       | _[                      | ⅃        |          | _[       | _[       |          |  | $\Box$   | 64       |          | _        | Ш        | Ш            | Ш            | Ш        | Щ        | Щ        | Ц        | L        | ŀ  | $\vdash$ | 114        | $\perp$       | 1       | $\perp$      | L            | 1    | 1     |      | 1   | ä    |                                       |
| 15                    | Ц               |         | 1       |                         | _        | _        | _        | _        | _        |  | Ц        | 65       | _        |          | Ш        |              | Ш            | Ш        |          |          |          | <u> </u> |    | ┕        | 115        | 4             | $\perp$ | 4            | ┸            |      | 1     |      | 1   |      | Ľ                                     |
| 16                    | 1               | 4       | 1       | 4                       | 4        | _        | _        | _        |          |  | $\vdash$ | 66       | _        | _        | Щ        | Ш            | Ш            | Ш        |          | Щ        | Ц        | <u> </u> |    | $\vdash$ | 116        | $\dashv$      | 1       | $\bot$       | $\downarrow$ |      |       |      | 9   |      | 4                                     |
| 17                    | $\dashv$        | +       | 4       | 4                       | 4        | _        | 4        | 4        | _        |  | L.       | 67       | _        | _        | Щ        | Щ            | Ш            | Ш        |          |          | Ш        | $\vdash$ |    | $\vdash$ | 117        | $\dashv$      | 4       | 4-           | Ł            | â    |       |      |     | _    |                                       |
| 18                    | $\dashv$        | +       | 4       | 4                       | 4        | -        | 4        | 4        | 4        |  | -        | 68       | $\dashv$ | _        | Щ        | Н            | $\sqcup$     | Ш        |          |          | L        | L        |    | -        | 118        |               | +       | 4-           | F            |      | 7     | 2 2  |     | ٺ    |                                       |
| 19                    | 1               | 4       | 4       | _1                      | 4        | 4        | _        | 4        | 4        |  | Ш        | 69       | ᅴ        |          | Щ        |              |              | Ш        | _        | _        |          | ļ        |    | -        | 119        | 4             | 4       | +            | +            | 1:   | 1 17  | 3    |     | ž    | Ø                                     |
| 20                    | $\perp$         | 4       | 1       | $\perp$                 | _        | _        |          | _        | ᅵ        |  | Щ        | 70       | ᅵ        |          |          |              | Ш            |          |          | _        | _        | L        |    | $\vdash$ | 120        | _             | 1       | 丰            | 1            | 1    | 1.7   | 3    |     |      | 300                                   |
| 21                    |                 | _       | 4       | _                       | 4        | _        | _        | _        | _        |  | Ш        | 71       |          |          |          | ш            | Ш            | Ш        |          |          | Ŀ        | L        |    |          | 121        | $\rightarrow$ | 4       | 1            | 1            | 4    | 17    |      |     | Ø.   | Ų                                     |
| 22                    | $\perp$         | 4       | 4       | 4                       | 4        | _        | _        | _        | _        |  | $\vdash$ | 72       | _        |          | Ц        | ш            | Ш            | Ш        |          |          |          | _        |    | -        | 122        | $\dashv$      | $\perp$ | $\bot$       | 4:           | 13   | 1 7   | 1    |     | Ð    | 3                                     |
| 23                    |                 | 4       | 1       | 4                       | 4        | _        |          | _        | _        |  | _        | 73       | _        |          |          | $\vdash$     | Ш            | ш        |          |          |          | _        |    | 1        | 123        | _             | $\perp$ | $\perp$      | +            |      | 12    |      |     | 1    | ð                                     |
| 24                    | $\perp$         | 4       | 4       | 4                       | 4        | _        |          | 4        | 4        |  | <u></u>  | 74       | _        | _        |          | ш            | Ш            | Щ        |          |          | _        | ┡        |    | ⊩        | 124        | 4             | _       | +            | +            | 1.   |       |      |     |      | 3                                     |
| 25                    | _               | 4       | 1       | _ļ                      | 4        | _        | _        | -        | 4        |  | $\vdash$ | 75       | 4        |          |          | ш            | Ш            | Ш        |          |          | L        | L        |    | 1        | 125        | _             | 4       | $\perp$      | +            | 15   |       |      |     |      | 4                                     |
| 26                    | _               | +       | 4       | 4                       | 4        | 4        | _        | -        | 4        |  | $\vdash$ | 76       | 4        | _        | _        | $\vdash$     | ш            | ш        |          |          | <u> </u> | ļ        |    | -        | 126        | 4             | +       | +            | 4            | 3    |       | 7 2  | 3   |      | Ó                                     |
| 27                    | 4               | 4       | 4       | 4                       | 4        | 4        | _        | 4        | 4        |  | ⊢        | 77       | 4        |          | _        | Н            | Ш            | $\vdash$ |          | L        | ┡        | ļ        |    | $\vdash$ | 127<br>128 | _             | +       | ╀            | ╄            | -    | 4     | 3 3  | 9   | N.   | 5                                     |
| 28                    | $\dashv$        | +       | +       | -                       |          |          | -        | 4        | -1       |  | <u> </u> | 78<br>79 | -        |          |          | $\vdash$     | Н            | ш        |          | Н        | L        | ļ        |    | $\vdash$ | 128        | _             | +       | +            | +            |      |       |      |     | . 15 | <b>经数据</b>                            |
| 29                    | $\dashv$        | +       | +       | +                       | -+       |          |          |          | -        |  | H        | 70       | $\dashv$ |          | _        | Н            | Н            | Н        | _        |          | _        | ⊢        |    | $\vdash$ | 130        | +             | +       | +            | ╀            | +    |       |      | 2   | _    |                                       |
| 30<br>31              | $\vdash$        | +       | +       | +                       | +        | $\dashv$ | -        |          | $\dashv$ |  | Н        | 81       | $\dashv$ | _        |          | ⊢            | Н            | -        |          |          | -        | -        |    | $\vdash$ | 131        | $\dashv$      | +       | ┿            | ╀            | ╁    |       | 7. P |     | ्    | -                                     |
| 32                    | $\dashv$        | 4       | +       | +                       | +        | $\dashv$ | $\dashv$ | -1       | $\dashv$ |  | H        | 82       | $\dashv$ |          |          | $\vdash$     | Н            | H        | -        |          | _        | ⊢        |    | $\vdash$ | 132        | +             | +       | +            | ╁            | +    | _     |      |     |      | 20 20 20 20                           |
| 33                    | -               | +       | +       | +                       | +        | -        |          | -        |          |  | $\vdash$ | 83       | $\dashv$ | _        |          | <del> </del> | $\vdash$     | -        | -        |          | ⊢        | $\vdash$ |    | $\vdash$ | 133        | $\dashv$      | +       | +            | ╫            | +    |       | 1 2  | 9   |      | H                                     |
| 34                    | +               | +       | +       | +                       | -        | $\dashv$ |          |          | $\dashv$ |  | Н        | 84       | $\dashv$ |          | Н        | <del> </del> | ╁╌┤          | $\vdash$ |          |          | ┝        | ⊢        | ĺ  | $\vdash$ | 134        | +             | +       | +            | +            | +    | +     |      |     | 14   | 3                                     |
| 35                    | +               | +       | +       | +                       | +        | $\dashv$ |          | $\dashv$ | $\dashv$ |  | -        | 85       | -        |          | H        | -            | ₩            | ┢        |          |          | -        | ┢        |    | $\vdash$ | 135        | $\dashv$      | ╁       | +            | 十            | +    | ╁     |      | -   |      | 5.5                                   |
| 36                    | +               | +       | +       | +                       | $\dashv$ | $\dashv$ | $\dashv$ | -        |          |  | $\vdash$ | 86       | $\dashv$ | $\vdash$ | -        |              | ┢╼┥          | ┢┯       |          | ┝        | H        | 十        | 1  | Н        | 136        | $\dashv$      | +       | +            | 十            | +    | +     | .7   |     |      | 3                                     |
| 37                    | +               | +       | ╅       | -                       | $\dashv$ | $\dashv$ | $\dashv$ | ┪        |          |  | $\vdash$ | 87       | $\dashv$ |          | $\vdash$ |              | $\vdash$     | Н        | _        | $\vdash$ | ┢        | ╁╌       | 1  | $\vdash$ | 137        | $\dashv$      | +       | +            | 十            | 十    | +     | +    |     | (A)  | 3                                     |
| 38                    | $\vdash$        | +       | $^{+}$  | +                       | -+       | -        | $\dashv$ | ┪        | 一        |  | $\vdash$ | 88       | $\vdash$ |          | Н        |              | Н            | Н        |          | H        | Н        | t        |    | -        | 138        | +             | +       | +            |              | +    | +-    | #    | 7   | 3    |                                       |
| 39                    | $\vdash$        | -+      | $^{+}$  | +                       | 十        | +        | $\dashv$ | ┪        | ⊣        |  | $\vdash$ | 89       | $\dashv$ |          | Н        |              | Н            | Н        | ⊢        | -        | Н        |          | 1  |          | 139        | +             | $^{+}$  | +            | 十            | +    | +     |      | 4   | 램    | 100                                   |
| 40                    | $\vdash$        | -+      | +       | +                       | $\dashv$ | -        | $\dashv$ | $\dashv$ |          |  | $\vdash$ | 90       | П        |          | Н        | $\vdash$     | ╁            | -        | -        | _        | Н        | 1        | 1  | $\vdash$ | 140        | $\vdash$      | +       | +            | 十            | +    | +     |      |     | 3    | Ē                                     |
| 41                    | $\vdash$        | +       | ╅       | +                       | +        | -        |          | ┪        | $\dashv$ |  | -        | 91       | $\vdash$ |          | ┝        | $\vdash$     | Н            | $\vdash$ | ⊢        | -        | ⊢        | Н        | 1  | $\vdash$ | 141        | +             | +       | +            | ╁            | +    | $\pm$ | 3    |     | 3    | 2                                     |
| 42                    | +               | +       | +       | -+                      | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |  | -        | 92       |          | -        | ┝        | ⊢            | ╁            | -        | ⊢        | ⊢        | $\vdash$ | $\vdash$ | 1  | -        | 142        | $\dashv$      | +       | +            | +            | ╁    | +     |      | - 1 | 2    | 14                                    |
| 43                    | $\dashv$        | +       | +       | +                       | +        | -        | -        | ⊣        | $\dashv$ |  | -        | 93       | Н        | -        | ┝        | ⊢            | ⊢            | $\vdash$ | ⊢        | -        | ⊢        | ⊢        |    | $\vdash$ | 143        | $\dashv$      | +       | +            | +            | +    | +     | +    |     | 34   | 2                                     |
| 44                    | +               | +       | +       | +                       | $\dashv$ | $\dashv$ |          |          |          |  | -        | 94       | -1       |          | ┝        | ┢─           | $\vdash$     | $\vdash$ | $\vdash$ |          | ⊢        | ⊢        | 1  | -        | 144        | -             | +       | +            | +            | +    | +-    | +    |     | 11   |                                       |
| 45                    | -               | +       | +       | -                       | -+       | 4        | $\dashv$ |          | $\dashv$ |  | $\vdash$ | 95       | $\dashv$ | -        | -        | -            | H            | 1        | $\vdash$ | ⊢-       | -        | ┼-       | 1  | -        | 145        | +             | +       | +            | +-           | +    | +     | +    |     | . 1  |                                       |
|                       | $\vdash$        | +       | +       | +                       | +        | 4        | -        |          | $\dashv$ |  | -        | 96       |          | -        | -        | ├            | <del> </del> | ┼        |          | $\vdash$ | +        | $\vdash$ | 1  | $\vdash$ | 146        | $\dashv$      | +       | +            | +            | +    | +     | +    |     |      | (A)                                   |
| 46                    | $\vdash$        | 7       | +       | $\dashv$                | -        |          |          | -        | ᅴ        |  | $\vdash$ | 96<br>97 | $\vdash$ | _        | $\vdash$ | -            | ├            | ├        | -        | -        | -        | -        | 1  | $\vdash$ | 146        | $\dashv$      | +       | +            | +            | +    | +     | -    |     | -4   | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| 47                    | $\vdash \vdash$ | +       | +       | -1                      |          | _        | _        | 4        | 괵        |  | $\vdash$ | 98       | Н        |          | $\vdash$ | ⊢            | ⊢            | ₩        | $\vdash$ |          | -        | -        | 1  | $\vdash$ | 1          | $\vdash$      | +       | +            | +            | +    | +     | 4    | -   | 1    | 盛                                     |
| 48                    | $\vdash \vdash$ | 4       | ŀ       | 4                       | $\dashv$ | _        |          | _        | ᅴ        |  | -        | 98       |          | _        | $\vdash$ | ⊢            | ⊢            |          | $\vdash$ | $\vdash$ | H        | $\vdash$ | 1  | -        | 148        | $\vdash$      | +       | +            | +            | +    | +     | 4    |     |      | 9                                     |
| 49                    | $\sqcup$        | 4       | 4       | 4                       | _        | _        | _        | Ц        | ᅴ        |  | -        |          | H        | <u> </u> | $\vdash$ | -            |              | $\vdash$ | ١        | ⊢        | $\vdash$ | 1        | 1  | -        | 149        | -             | 4       | +            | +            | +    | +     | 4    |     | 14   | 94<br>74                              |
| 50                    |                 | _       | _       | _                       | _        |          |          |          | ئــــ    |  | Ц.       | 100      | لب       | L        |          | ட            | ட            | L_       | Щ,       |          | L_       | Ц_       | J  |          | 150        | 1             | 1       | ٠Ļ.          | L            | .1   | 1     | ľ    | 1   |      | 14                                    |

If more than 150 claims or 10 actions staple additional sheet here

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